Appl. No. 09/700,712 Amendment dated: June 21, 2006 Reply to OA of: June 16, 2006

This listing of claims will replace all prior versions and listings of claims in the application.

## Listing of Claims:

Claims 1-16(cancelled).

17(currently amended). A \( \Delta \) thy\( \A \) strain of \( \begin{align\*} \begin{align\*} \limits \) thought deprived of its \( \begin{align\*} \text{thy} \) A gene \( \text{functionality by selected nucleotide sequence deletion and/or insertion} \) in the chromosome \( \text{and thus lacking the functionality of the \( \begin{align\*} \text{thy} \text{ A gene} \) comprising at least one episomal autonomously replicating DNA element having a functional \( \begin{align\*} \text{thy} \text{ A gene} \) enables the strain to grow in the absence of thymine in the growth medium \( \text{and the one} \) or several \( \text{.wherein the al least one} \) episomal autonomously replicating DNA elements further \( \text{comprising comprises} \) a structural gene encoding a homologous or heterologous protein.

18(Currently Amended). A  $\Delta$  thyA strain of Vibrio cholerae wherein the strain has been deprived of its thyA gene functionality by site-directed mutagenesis in the V. Cholerae cholerae chromosome for the by deletion and/or insertion of nucleotides at the locus of the thyA gene.

19(previously presented). The  $\Delta$  thyA strain of Vibrio cholerae according to claim 17, wherein the at least one episomal autonomously replicating DNA element is a plasmid.

20(currently amended). The  $\Delta$  thy $\Delta$  strain of Vibrio cholerae according to claim 17, wherein the at least on episomal autonomously replicating DNA have element has a foreign thy $\Delta$  gene.

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21(currently amended). The  $\Delta$  thyA strain of Vibrio cholerae according to claim 20, wherein the foreign thyA gene is an E. coli thyA gene.

22(previously presented). The  $\Delta$  thyA strain of Vibrio cholerae according to claim 17, wherein the encoded heterologous protein is selected from heat labile enterotoxin B-subunit of Escherichia coli (LTB) and Schistosoma japonicum glutathione S-transferase 26 kD protein (GST 26 kD).

23(currently amended). The Δ *thy*A strain according to claim 17, wherein the *thy*A gene of the chromosome has the nucleotide sequence <u>of SEQ ID NO: 1, or said nucleotide sequence which has some natural or unnatural nucleotide extensions, truncations, deletions or additions that do not interfere with the natural function of the nucleotide sequence <u>before it has been deprived of its functionality as a *thy*A gene</u>.</u>

24(new). The DthyA strain of Vibrio cholerae according to claim 18, wherein the structural thyA gene of the chromosome has the nucleotide sequence of nucleotides 738-1688 in the SEQ ID NO:1 before it has been deprived of its functionality as a thy A gene and wherein approximately 200 base pairs of said structural thy A gene is deleted followed by an insert of a non-coding region of DNA.

25(new). The ΔthyA strain of Vibrio cholerae according to claim 18, wherein the strain has its structural thyA gene removed from the thyA gene of the chromosome.

26(new). The ΔthyA strain of Vibrio cholerae according to claim 17, wherein the strain has its structural thyA gene removed from the thyA gene of the chromosome and wherein the at least one episomal autonomously replicating DNA element has a foreign thyA gene.

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27(new). The ΔthyA strain of Vibrio cholerae according to claim 26 wherein the foreign thyA gene is an E. coli thyA gene.

28(new). The  $\Delta$  thyA strain of Vibrio cholerae according to claim 27, wherein the encoded heterologous protein is heat labile enterotoxin B-subunit of Escherichia coli (LTB).

29(new). The  $\Delta thyA$  strain of Vibrio cholerae according to claim 27, wherein the encoded heterologous protein is Schistosoma japonicum glutathione S-transferase 26 kD protein (GST 26 kD).